

## **I. AMENDMENT TO THE SPECIFICATION**

Please add the following to the specification immediately before the section titled “DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS” and before paragraph [0019] (as shown in U.S. Pub. No. 2003/0134325):

### **--BRIEF DESCRIPTION OF THE DRAWINGS**

Features of various embodiments of the invention are described in the drawings, which should be interpreted in light of this application as a whole.

Figure 1 shows conversion means 120 receiving visible or ultraviolet light 110. The conversion means 120 may comprise a phycobilisome. The conversion means 120 passes directionally transferred light energy 130 to processing means 140. Processing means 140 may comprise an optical fiber, photosensor, waveguide, and/or optoelectronic device.

Figure 2 shows a phycobilisome 220 receiving visible or ultraviolet light 210. The phycobilisome may pass directionally transferred light energy 230 to processing means 240. Processing means 240 may comprise an optical fiber, photosensor, phycobilisome, waveguide, and/or optoelectronic device.

Figure 3 shows a photon conversion means 320 receiving visible or ultraviolet light 310. The photon conversion means 320 may comprise a supramolecular light-absorbing structure, such as a phycobilisome. The photon conversion means 320 passes directionally transferred light energy 330 to processing means 340.

Figure 4 shows conversion means 420 receiving electromagnetic radiation 410. The conversion means 420 may comprise a phycobilisome. The electromagnetic radiation 410 may comprise ultraviolet or visible light. The conversion means 420 may pass directionally transferred light energy 430 (e.g., red-shifted light energy) to processing means 440. Processing means 440 may comprise an optical fiber, photosensor, phycobilisome, waveguide, and/or optoelectronic device.

Figure 5 shows an environmentally responsive sensor 500. The sensor 500 may comprise a conversion means 520 that receives electromagnetic radiation 510. The

conversion means 520 may comprise a phycobilisome. The conversion means 520 may pass directionally transferred light energy to 530 to processing means 540. --